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## Introduction to Physics in Modern Medicine (Paperback)

By Suzanne Amador Kane, Nancy Donaldson, Boris Gelman

Taylor Francis Inc, United States, 2009. Paperback. Condition: New. 2nd Revised edition. Language: English . Brand New Book. From x-rays to lasers to magnetic resonance imaging, developments in basic physics research have been transformed into medical technologies for imaging, surgery and therapy at an ever accelerating pace. Physics has joined with genetics and molecular biology to define much of what is modern in modern medicine. Covering a wide range of applications, Introduction to Physics in Modern Medicine, Second Edition builds on the bestselling original. Based on a course taught by the author, the book provides medical personnel and students with an exploration of the physics-related applications found in state-of-the-art medical centers. Requiring no previous acquaintance with physics, biology, or chemistry and keeping mathematics to a minimum, the application-dedicated chapters adhere to simple and self-contained qualitative explanations that make use of examples and illustrations. With an enhanced emphasis on digital imaging and computers in medicine, the text gives readers a fundamental understanding of the practical application of each concept and the basic science behind it. This book provides medical students with an excellent introduction to how physics is applied in medicine, while also providing students in physics with an introduction to...



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